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ABSTRACT

This booklet is one of a set of five booklets which comprise the basic curriculum for "Mathematics Laboratories for Disadvantaged Students," a nationally validated Title III ESEA project. This publication provides evaluation materials and student materials related to whole numbers. Topics included are place value, addition, subtraction, multiplication, and division. The project was designed for middle school students (grades 5-8). (RH)

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ED141168

Laboratory Mathematics

Curriculum Booklet 2
Whole Numbers

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2

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SE 022 693

LABORATORY MATHEMATICS

Curriculum Booklet II

Whole Numbers

Developed by:

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Honea Path, South Carolina
Anderson County School District No. Two
Honea Path, South Carolina
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Dr. Marvin Woodson, Jr., Project Director

A Nationally Validated Project
funded under
Title III, Elementary and Secondary Education Act
1972-77

PREFACE

This booklet is one of a set of five booklets which comprises the basic curriculum for "Mathematics Laboratories for Disadvantaged Students," a nationally validated Title III ESEA project. Also included in the series is a teacher training booklet. The entire series of booklets was compiled by Mrs. Sandra Rogers who has worked in the mathematics laboratories project for three and one-half years. Mr. Dan Sandel, mathematics consultant for the South Carolina State Department of Education, served in an advisory capacity to Mrs. Rogers during the writing and compiling activity.

Teachers who plan to use the mathematics laboratory methods, as developed in this project, are cautioned to be aware that no one set of curriculum materials can be used with all students. The materials developed in this project should serve as the basic core of the laboratory curriculum with each teacher using his own initiative to adapt the materials to the needs of his students.

Materials and methodology alone will not produce a successful mathematics laboratory program. For success to be realized, the mathematics laboratory must be staffed with a teacher and an aide who are dedicated and enthusiastic and who are compassionate toward the type of students served in this project.

Dr. Marvin Woodson, Jr.
Assistant Superintendent and
Project Director

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Place Value	1
Addition	11
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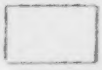
WHOLE NUMBERS - PRETEST A

Write the compact numbers:

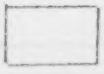
1. 700 + 80 + 2 = ___
2. 9,000 + 700 + 60 + 3 = ___
3. 70,000 + 3,000 + 7 = ___
4. 50,000 + 4,000 + 600 + 6 = ___
5. 900 + 30 + 8 = ___

Write in Expanded Form:

6. 73 = ___ + ___
7. 4903 = ___ + ___ + ___ + ___
8. 257 = ___ + ___ + ___
9. 4802 = ___ + ___ + ___ + ___
10. 75,295 = ___ + ___ + ___ + ___ + ___

Do pages 2, 3 and 4. 

11. 3 hundreds + 0 tens + 6 ones = ___
12. 5 thousands + 3 hundreds + 2 tens + 3 ones = ___
13. 5 hundreds + 0 tens + 7 ones = ___
14. 4 tens + 8 ones = ___
15. 6 hundreds + 7 tens + 0 ones = ___
16. 73 = ___tens + ___ones
17. 690 = ___hundreds + ___ tens + ___ones
18. 4872 = ___thousands + ___hundreds + ___tens + ___ones
19. 70,083 = ___ten thousands + ___thousands + ___hundreds + ___tens + ___ones
20. 84 = ___tens + ___ones

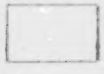
Do pages 5, 6, and 7. 

In 36,802

21. ___is in hundreds place.
22. ___is in ones place.
23. ___is in ten thousands place.
24. 6 is in the ___ place.
25. 0 is in the ___ place.

In 73,905

26. ___ is in the thousands place.
27. ___is in ones place.
28. ___is in ten thousands place.
29. 0 is in the ___ place.
30. 9 is in the ___ place.

Do pages 8, 9, and 10. 

6

Copy and write these numbers in expanded form:

1. 426 = 400 + ___ + 6

2. 875 = ___ + 70 + 5

3. 2653 = 2000 + ___ + ___ + ___

4. 1479 = ___ + ___ + ___ + 9

5. 3186 = ___ + 100 + ___ + ___

6. 5747 = ___ + ___ + ___ + 7

7. 6059 = ___ + 0 + ___ + ___

Write the compact number for: (*Watch out for these).

8. 4,000 + 700 + 50 + 8 _____

*9. 6,000 + 400 + 6 _____

10. 7,000 + 600 + 80 + 3 _____

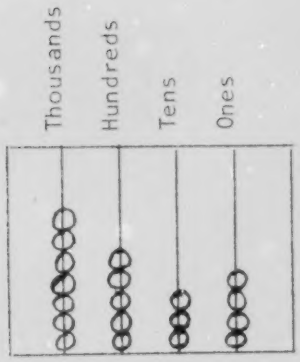
*11. 9,000 + 800 + 2 _____

*12. 8,000 + 4 _____

*13. 5,000 + 600 + 40 _____

14. 6,000 + 900 + 50 + 7 _____

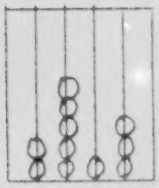
ABACUS



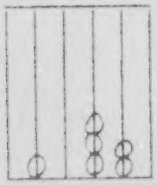
This is a picture of an abacus. The rows stand for different places. Tell how much is in each place.

1. ___tens
2. ___hundreds
3. ___ ones
4. ___ thousands

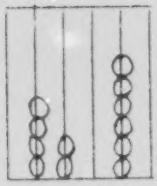
Write the number shown on each abacus:



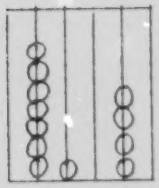
5._____



6._____



7._____



8._____

Trace each abacus and show these numbers:

9. 6043

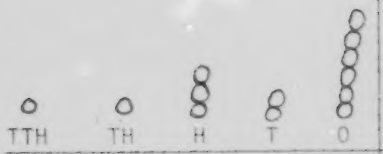
10. 9270

11. 6851

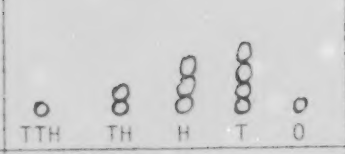
12. 7006

Write the compact number for each abacus.

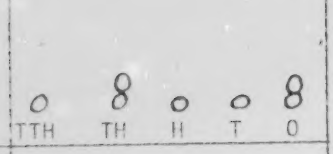
1. _____



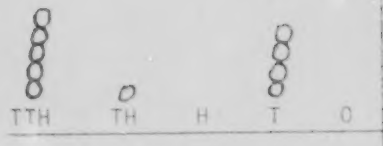
2. _____



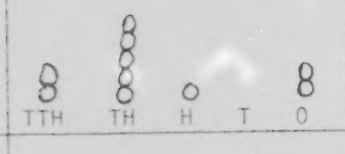
3. _____



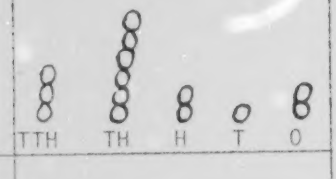
4. _____



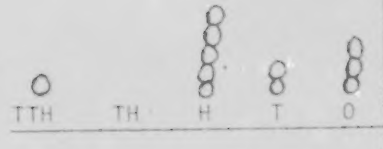
5. _____



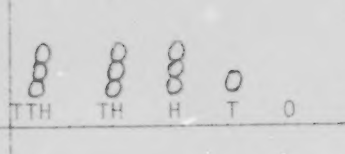
6. _____



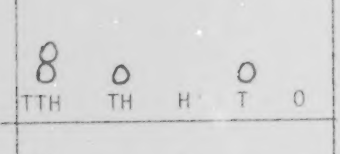
7. _____



8. _____

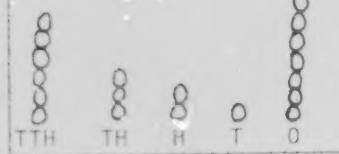


9. _____

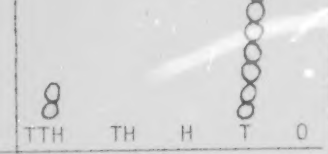


10. _____

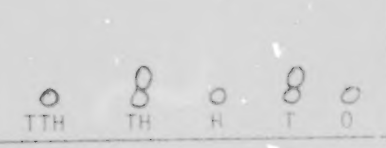
11. _____



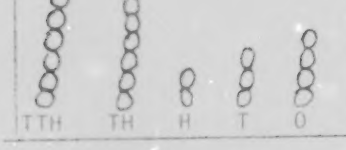
12. _____



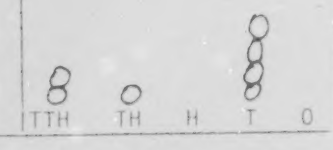
13. _____



14. _____



15. _____



PLACE VALUE

Work with the color cubes to answer these questions

RED = Tens

1. 3 ones = 3
2. 8 ones = _____
3. 1 ten = _____
4. 1 ten and 2 ones = _____
5. 1 ten and 7 ones = _____
6. 2 tens = _____
7. 2 tens and 6 ones = _____
8. 2 tens and 8 ones = _____
9. 3 tens = _____
10. 3 tens and 5 ones = _____
11. 3 tens and 9 ones = _____
12. 4 tens and 5 ones = _____
13. 5 tens = _____
14. 6 tens = _____
15. 6 tens and 9 ones = _____
16. 7 tens and 3 ones = _____
17. 8 tens = _____
18. 9 tens and 9 ones = _____

Yellow = Ones

19. 5 ones = 5
20. 7 ones = _____
21. 1 ten = _____
22. 1 ten and 4 ones = _____
23. 6 tens and 8 ones = _____
24. 2 tens = _____
25. 2 tens and 7 ones = _____
26. 2 tens and 9 ones = _____
27. 3 tens and 2 ones = _____
28. 3 tens and 7 ones = _____
29. 4 tens = _____
30. 4 tens and 8 ones = _____
31. 5 tens and 6 ones = _____
32. 6 tens and 4 ones = _____
33. 7 tens = _____
34. 7 tens and 8 ones = _____
35. 9 tens = _____
36. 10 tens = _____

Hundreds	Tens	Ones
7	4	2

Study the place-value chart at the left.

Numerals that are written with one digit are called one place numerals. Those written with two digits are called two-place numerals. Those written with three digits are called three-place numerals.

Count and write by 1's to 10.

1 2 _____ _____ _____ _____ _____ _____ _____ _____

Count and write by 5's to 50.

5 _____ _____ _____ _____ _____ _____ _____ _____ _____

Count and write by 10's to 100.

10 _____ _____ _____ _____ _____ _____ _____ _____ _____

Write the correct numeral on each line.

56 means 0 hundreds, 5 tens, and 6 ones.

81 means _____hundreds, _____tens, and _____ one.

77 means _____hundreds, _____tens, and _____ones.

98 means _____hundreds, _____tens, and _____ones.

46 means _____hundreds, _____tens, and _____ones.

69 means _____hundreds, _____tens, and _____ones.

426 means _____hundreds, _____tens, and _____ones.

382 means _____hundreds, _____tens, and _____ones.

590 means _____hundreds, _____tens, and _____ones.

105 means _____hundreds, _____tens, and _____ones.

789 means _____hundreds, _____tens, and _____ones.

Write on the lines how many tens and ones there are in each numeral.

28 means 2 tens and 8 ones. 85 means _____ tens and _____ ones.

54 means _____ tens and _____ ones. 67 means _____ tens and _____ ones.

70 means _____ tens and _____ ones. 94 means _____ tens and _____ ones.

Write on the lines how many hundreds, tens and ones there are in each numeral.

164 means 1 hundreds, 6 tens, and 4 ones.

327 means _____ hundreds, _____ tens, and _____ ones.

829 means _____ hundreds, _____ tens, and _____ ones.

600 means _____ hundreds, _____ tens, and _____ ones.

980 means _____ hundreds, _____ tens, and _____ ones.

Show what these numerals mean.

2452 = 2 thousands 4 hundreds 5 tens 2 ones

6948 = _____ thousands _____ hundreds _____ tens _____ ones

7899 = _____ thousands _____ hundreds _____ tens _____ ones

1250 = _____ thousands _____ hundreds _____ tens _____ ones

2027 = _____ thousands _____ hundreds _____ tens _____ ones

6080 = _____ thousands _____ hundreds _____ tens _____ ones

Write the numeral that means:

3 tens and 4 ones 34 5 tens and 5 ones _____ 2 tens and 0 ones _____

8 tens and 3 ones _____ 8 tens and 2 ones _____ 4 tens and 9 ones _____

9 tens and 6 ones _____ 6 tens and 8 ones _____ 7 tens and 7 ones _____

2 hundreds, 5 tens, and 7 ones 257 3 hundreds, 4 tens, and 2 ones _____

8 hundreds, 2 tens, and 3 ones _____ 5 hundreds, 7 tens, and 4 ones _____

1 hundred, 6 tens, and 9 ones _____ 7 hundreds, 8 tens, and 6 ones _____

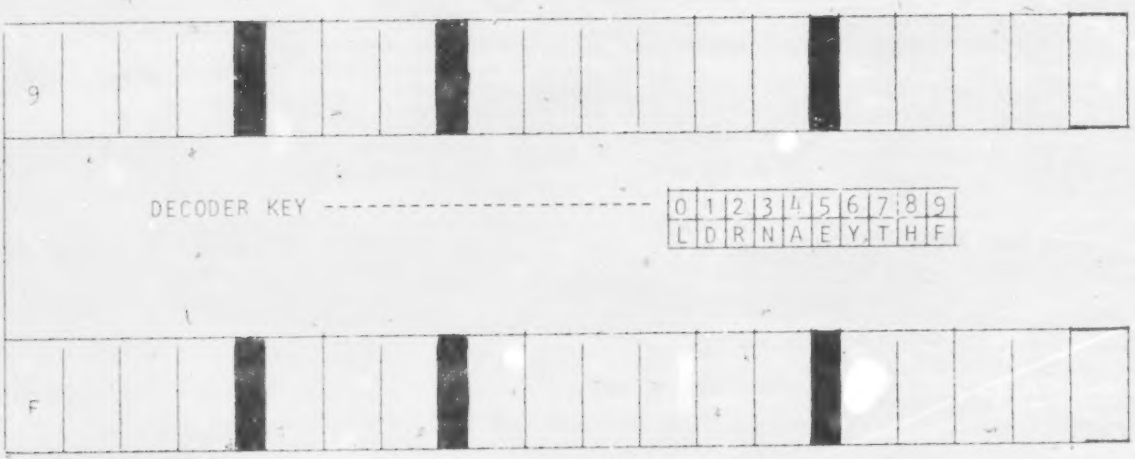
6 hundreds, 1 ten, and 1 one _____ 9 hundreds, 9 tens, and 0 ones _____

4 hundreds, 3 tens, and 5 ones _____ 8 hundreds, 0 tens, and 0 ones _____

PLACE VALUE DECODER

Figure out which digit has the given place value in each number below. Write these digits, in order, into the first row of boxes at the bottom of the page. Then use the decoder key to decode each digit. As you decode each digit, write the letters into the bottom row of box.

1. 96 (Tens)
2. 35 (Ones)
3. 506 (Hundreds)
4. 277 (Tens)
5. 674 (ONES)
6. 1792 (Ones)
7. 500 (Hundreds)
8. 2020 (Tens)
9. 5280 (Thousands)
10. 4001 (Thousands)
11. 800 (Tens)
12. 6000 (Hundreds)
13. 3796 (Ones)
14. 8192 (Thousands)
15. 40 (Tens)
16. 3218 (Thousands)
17. 7251 (Ones)
18. 9610 (Hundreds)



Show the correct place value.

		Millions			Thousands			Units		
		H	T	O	H	T	O	H	T	O
1.	671,249,835									
2.	400,000									
3.	3,009									
4.	700									
5.	2,300,000									
6.	48,000,690									
7.	582,637,400									
8.	920,375									
9.	1,873,564									
10.	Six million									
11.	Four Hundred fifty-seven									
12.	Nineteen million									
13.	Sixty thousand two hundred one									
14.	Seventeen									
15.	Two hundred million									
16.	Five hundred thousand									
17.	One hundred thirteen									
18.	Ninety thousand seventy-seven									

CHART SHOWING PERIODS

Billions			Millions			Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones
4	5	2,	5	8	6,	8	7	1,	9	2	8

The digits of the number 452,586,871,928 are grouped in sets of three, called periods. The periods are separated by commas.

In the place-value chart the digits are grouped in sets of three. What do you call these sets? _____

Why do you think the digits are grouped this way? _____

_____

Read the numerals in the place-value charts. Write them three times.

_____

_____

Separate these numerals into periods.

4 9 2 8 4 5 6 2 9 7 1 6 5 0 1 4 8 3 1 1 3 6 5 8 2 7 0 9

Use digits to write each of these numerals.

Six thousand, one hundred four _____

Three hundred forty-five thousand, eight hundred thirty-seven _____

Nine hundred two thousand, five hundred twelve _____

One million, two hundred fifty thousand, four hundred three _____

One billion, five hundred four thousand _____

Write the correct numeral on each line.

1,469 = ___thousand ___hundreds ___tens ___ones

52,326 = ___thousands ___hundreds ___tens ___ones

780,204 = ___thousands ___hundreds ___tens ___ones

2,521,365 = ___millions ___thousands ___hundreds ___tens ___ones

34,780,945 = ___millions ___thousands ___hundreds ___tens ___ones

WHOLE NUMBERS - PRETEST B

1. 7
+2

2. 14
+23

3. 2
+2

4. 84
+10

5. 20
+14

6. 5007
+2941

7. 205
+731

8. 73
+ 6

9. 108
+450

10. 2502
+ 112

Do pages 12 and 13.

11. 9
+7

12. 62
+ 8

13. 305
+689

14. 37
+23

15. 56
+46

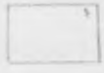
16. 634
+268

17. 800
+800

18. 3084
+ 712

19. 972
+ 28

20. 80042
+ 917

Do pages 14, 15, and 16. 

21. 4
3
+2

22. 12
7
+10

23. 27
13
+15

24. 2
9
+15

25. 900
300
400
+600

26. 60
1
3
+ 9

27. 73
6
4
2
+ 5

28. 10
10
+10

29. 6
0
5
4
+9

30. 107
92
1
+ 17

Do pages 17, 18 and 19.

Add.

1. 5 +2	2. 8 +1	3. 4 +3	4. 2 +2	5. 8 +0
6. 7 +2	7. 11 +12	8. 200 +500	9. 307 +450	10. 74 +12
11. 111 +264	12. 9007 + 602	13. 777 +222	14. 457 +201	
15. 33 +25	16. 101 +28	17. 273 +126	18. 71 +17	
19. 27 +22	20. 50 +40	21. 176 +22	22. 8000 +1000	
23. 8752 +1247	24. 6003 +2074	25. 41 +2	26. 402 +376	
27. 163 +218	28. 270 +120	29. 11670 + 37[illegible]	30. 4002 +3762	
31. 679 +320	32. 1808 +171	33. 422 +466	34. 92 +107	
35. 262 +323	36. 19 +10	37. 100 +101	38. 96 +2	
39. 23 +61	40. 621 +300	41. 313 +424	42. 348 +201	
43. 157 +200	44. 103 +802	45. 644 +122	46. 11 +11	
47. 227 +602	48. 348 +100	49. 313 +622	50. 624 +345	

Finish this chart.

+	0	1	2	3	4	5	6	7	8
0			2						
1									
2				5					
3									
4									
5					9				
6									
7			9						
8	8								
9									

Find the sums.

1. 429 + 53

2. 618 + 67

3. 145 + 46

4. 552 + 29

5. 378 + 12

6. 837 + 49

7. 954 + 36

8. 729 + 68

9. 463 + 29

10. 726 + 58

11. 843 + 47

12. 919 + 37

STUDY:

	Step 1	Step 2	Step 3
	1	1	1
257	257	257	257
+436	+436	+436	+436
	3	93	693

DO:
Find the sums:

13. 827 + 169

14. 229 + 368

15. 378 + 312

16. 206 + 786

17. 429 + 253

18. 519 + 232

19. 149 + 809

20. 617 + 265

21. 206 + 347

22. 307 + 418

23. 368 + 203

24. 516 + 208

FAMOUS PEOPLE

During the War of 1812 a young Washington lawyer boarded a prisoner-exchange boat in Baltimore harbor. From this exciting vantage point he witnessed the British Fleet's bombardment of Fort McHenry. As he watched the shelling of his countrymen he was inspried to write a poem about it. He borrowed the tune from a pupular English drinking song. His song, "The Star Spangled Banner" was adopted as the National Anthem in 1931.

1830	1323	1147	1013	1226	1024	962

962	1226	1026	1525	1525

1519	1149	1289

Work the addition problems below. Using the code letters above each problem, find out who wrote the National Anthem.

A.	B.	C.	D.	E.	F.
268 +879	894 +302	758 +468	870 +498	282 +867	876 +954

G.	H.	I.	J.	K.	L.
638 +699	103 +916	625 +399	878 +157	644 +875	880 +987

M.	N.	O.	P.	Q.	R.
659 +487	519 +494	381 +645	428 +454	621 +398	568 +755

S.	T.	U.	V.	W.	X.
575 +387	739 +786	283 +720	348 +809	927 +480	313 +828

Y.	Z.
698 +591	624 +389

MAGIC SQUARES

ADDITION

6		2
1	5	
	3	4

8	3	
	5	9
6	7	2

11	2		7
	13	1	12
5	16	4	
10		15	6

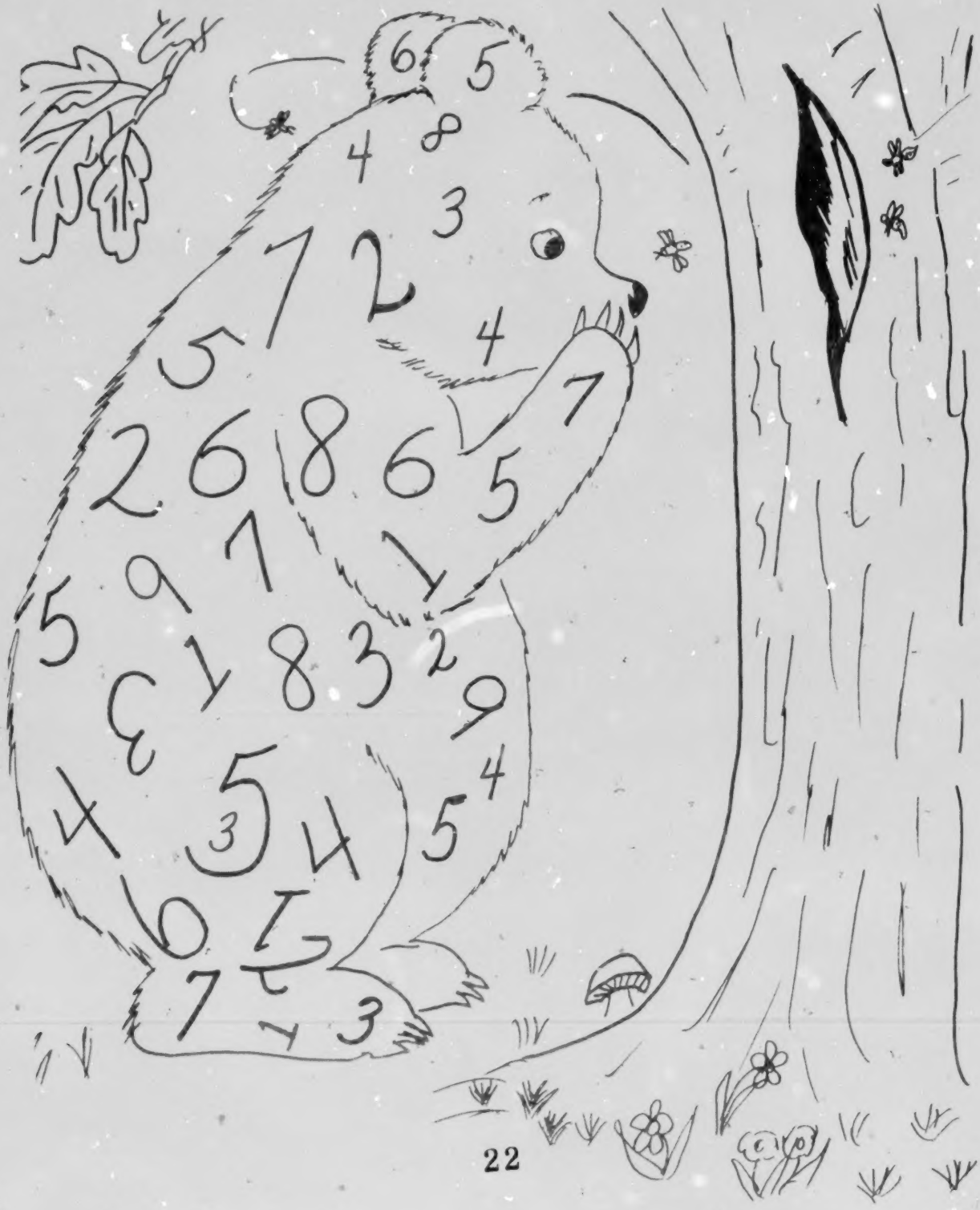
	3	2	13
5	10	11	
9	6	7	
4			1

17		1	8	15
23	5	7	14	
	6	13	20	22
10	12		21	3
11	18	25		9

5	23	7		14
18	11		9	
6	4	13		20
	17	1	15	8
12		19	3	21

HONEY BEAR

Too much honey in my tummy, find out how much I ate. Add me and multiply my total by 10 to find my weight.



FAMOUS PEOPLE

This famous person was the youngest man ever to become President of the United States. He took office at the age of 42. He became a national hero during the Spanish-American War in 1898 when he led his cavalry regiment against the Spaniards in Cuba. Cartoonists of the day liked to draw him with his rimless glasses, bushy mustache, prominent teeth and jutting jaw. One cartoon showed him with a bear cub. Soon, toymakers were producing stuffed animals that are still known as "teddy bears."

$\overline{181}$ $\overline{250}$ $\overline{278}$ $\overline{1523}$ $\overline{178}$ $\overline{1523}$ $\overline{220}$ $\overline{278}$

$\overline{181}$ $\overline{278}$ $\overline{178}$ $\overline{178}$ $\overline{2402}$

$\overline{220}$ $\overline{1523}$ $\overline{1523}$ $\overline{2390}$ $\overline{278}$ $\overline{1596}$ $\overline{278}$ $\overline{1199}$ $\overline{181}$

Work the addition problems below. Using the code letters above each problem find the name of this famous person.

A.	B.	C.	D.	E.	F.
4	206	819	7	48	7
6	419	799	10	97	68
55	382	304	24	77	16
+68	+176	+219	+137	+56	+52

G.	H.	I.	J.	K.	L.
16	72	438	48	283	624
9	47	749	382	904	109
248	59	726	409	418	324
321	28	+177	+184	+ 17	117
+24	+ 44				+ 25

M.	N.	O.	P.	Q.	R.	S.
621	747	604	58	117	23	437
32	875	88	46	213	46	376
104	548	56	907	321	60	843
+119	+296	+775	+909	+505	57	+734
					+34	

T.	U.	V.	W.	X.	Y.	Z.
23	989	241	216	119	731	734
45	34	354	621	191	123	637
30	435	917	583	911	907	348
+83	+954	+ 84	+240	+843	+641	+437

Is 168 a Palindrome?

168
+861 Reverse and add.

1029 Not yet!
9201 Reverse and add.

10230 Not Yet!
03201 Reverse and add

13431

IN THREE STEPS.

Number	Number of Steps	Palindrome
24	1	66
123	1	444
168	3	13431
68		
728		
97		
472		
835		
988		
561		
193		
553		
86		
918		
192		
364		
829		
89		

PRETEST C - WHOLE NUMBERS

1. $\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$

2. $\begin{array}{r} 19 \\ -11 \\ \hline \end{array}$

3. $\begin{array}{r} 17 \\ -10 \\ \hline \end{array}$

4. $\begin{array}{r} 47 \\ -27 \\ \hline \end{array}$

5. $\begin{array}{r} 596 \\ -403 \\ \hline \end{array}$

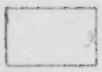
6. $\begin{array}{r} 999 \\ -887 \\ \hline \end{array}$

7. $\begin{array}{r} 900 \\ -400 \\ \hline \end{array}$

8. $\begin{array}{r} 953 \\ -453 \\ \hline \end{array}$

9. $\begin{array}{r} 9004 \\ -7002 \\ \hline \end{array}$

10. $\begin{array}{r} 5972 \\ -4361 \\ \hline \end{array}$

Do pages 21 and 22 

11. $\begin{array}{r} 11 \\ -\ 7 \\ \hline \end{array}$

12. $\begin{array}{r} 24 \\ -19 \\ \hline \end{array}$

13. $\begin{array}{r} 74 \\ -67 \\ \hline \end{array}$

14. $\begin{array}{r} 134 \\ -75 \\ \hline \end{array}$

15. $\begin{array}{r} 215 \\ -97 \\ \hline \end{array}$

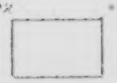
16. $\begin{array}{r} 437 \\ -\ 99 \\ \hline \end{array}$

17. $\begin{array}{r} 4113 \\ -\ 954 \\ \hline \end{array}$

18. $\begin{array}{r} 96 \\ -\ 8 \\ \hline \end{array}$

19. $\begin{array}{r} 572 \\ -\ 80 \\ \hline \end{array}$

20. $\begin{array}{r} 5463 \\ -\ 964 \\ \hline \end{array}$

Do pages 23 and 24. 

21. $\begin{array}{r} 10 \\ -\ 8 \\ \hline \end{array}$

22. $\begin{array}{r} 204 \\ -\ 95 \\ \hline \end{array}$

23. $\begin{array}{r} 160 \\ -\ 75 \\ \hline \end{array}$

24. $\begin{array}{r} 304 \\ -\ 97 \\ \hline \end{array}$

25. $\begin{array}{r} 90 \\ -\ 8 \\ \hline \end{array}$

26. $\begin{array}{r} 460 \\ -90 \\ \hline \end{array}$

27. $\begin{array}{r} 4001 \\ -237 \\ \hline \end{array}$

28. $\begin{array}{r} 2073 \\ -184 \\ \hline \end{array}$

29. $\begin{array}{r} 1040 \\ -159 \\ \hline \end{array}$

30. $\begin{array}{r} 4000 \\ -289 \\ \hline \end{array}$

Do pages 25 and 26.

1. 9 -8	2. 6 -3	3. 5 -3	4. 6 -0	5. 17 -2	6. 23 -11	7. 99 -87
8. 600 -500	9. 13 - 0	10. 97 -93	11. 152 -52	12. 818 -818	13. 507 -302	
14. 79 -29	15. 284 -232	16. 89 -37	17. 75 -23	18. 78 -13	19. 56 -40	
20. 100 -50	21. 63 -13	22. 5000 -1000	23. 1768 -1523	24. 97 -27		
25. 119 -19	26. 25769 -3421	27. 2007 - 7	28. 1111 - 10	29. 472 -322		
30. 1388 - 54	31. 1973 -841	32. 76 -42	33. 555 -241			
34. 7415 -3203	35. 2797 -1532	36. 3060 -1050	37. 97 -82			
38. 684 -182	39. 9500 -9500	40. 9000 -5000	41. 7349 -1042			
42. 955 -725	43. 8634 -3522	44. 895 -731	45. 674 -452			
46. 98 -90	47. 69 -15	48. 9801 -6800	49. 6945 -4535	50. 7674 -1232		

Finish this subtraction chart.

-	10	11	12	13	14	15	16	17	18	19
1							15			
2						13				
3										
4				9						
5										
6										
7		4								
8										
9										
10										

FAMOUS PEOPLE

Two men were involved in a historic event on December 17, 1903. Only five other people witnessed this event and very few newspapers reported it. At the time that this event took place, the two men did not foresee how greatly their invention would change civilization. You probably see or hear their invention almost every day of the year.

$\overline{16}$ $\overline{63}$ $\overline{508}$

$\overline{138}$ $\overline{89}$ $\overline{6}$ $\overline{403}$ $\overline{63}$ $\overline{16}$

$\overline{12}$ $\overline{89}$ $\overline{29}$ $\overline{16}$ $\overline{63}$ $\overline{508}$ $\overline{89}$ $\overline{111}$

Work the subtraction problems below. Using the code letters above each problem find out the names of these famous men.

A.	B.	C.	D.	E.	F.
837	804	641	78	715	972
-829	-792	-384	-69	-207	-113

G.	H.	I.	J.	K.	L.
900	701	750	331	641	965
-497	-638	-744	-297	-298	-370

M.	N.	O.	P.	Q.	R.	S.
329	41	401	110	972	675	777
-296	-36	-372	- 85	-337	-586	-666

T.	U.	V.	W.	X.	Y.	Z.
800	623	174	522	495	611	332
-784	-214	- 96	-384	- 8	-419	-117

1. John had 24 dogs. He gave 17 of them away. How many does he have left?_____

2. Susan is 74 months old and Sara is 59 months old. How much older is Susan than Sara?_____

3. Ann weighs 125 pounds; Patty weighs 96 pounds; Laura weighs 109 pounds; and Susan weighs 112 pounds.
   A. Ann weighs _____ more pounds than Patty.
   B. Laura weighs _____pounds less than Susan.
   C. Laura weighs _____more pounds than Patty.

4. There are 41 students in Jean's class. 16 of them are girls. There are _____boys in Jean's class.

5. There are 5207 families in Anderson. 2999 of them own their home. _____ families do not own their home.

6. Mr. Brown traveled 15,284 miles on Monday. He traveled only 3927 miles on Tuesday. How many more miles did he travel on Monday than Tuesday?_____

7. Jim and John got on the scales together, and they weighed 225 pounds. John got off the scales, and the scales read 118 pounds. How much does Jim weigh_____

8. The Cubs scored 97 points in the basket ball game. Belton scored 89 points. How many more points did the Cubs have?_____

9. There are 52 cards in a deck of cards. The dealer gave out 24 cards. How many cards were left in the pile?_____

10. Honea Path Middle School has 842 students, 392 of them are boys. How many are girls? _____

FAMOUS PEOPLE

It has been said that probably no other man, except possibly Thomas Jefferson has done so many things so well. In addition to being a scientist and an inventor, he helped found the University of Pennsylvania and served as deputy postmaster general in 1753. He is the only man to sign all four of the following documents: The Declaration of Independence, the Treaty of Alliance with France, the Treaty of Paris and the Constitution.

236	129	389	245	118	177	128	389

336	169	118	389	236	526	128	389

Work the subtraction problems below. Using the code letters above each problem, find the name of this famous man.

A.	B.	C.	D.	E.	F.
704	804	603	403	408	803
-586	-568	-436	-294	-279	-467

G.	H.	I.	J.	K.	L.
701	802	907	902	805	802
-483	-526	-779	-657	-569	-276

M.	N.	O.	P.	Q.	R.	S.
704	904	803	802	407	603	806
-527	-515	-559	-535	-248	-434	-318

T.	U.	V.	W.	X.	Y.	Z.
502	803	909	306	906	506	807
-394	-460	-370	-160	-350	-240	-590

FAMOUS PEOPLE

During World War II this American soldier won fame as the hero of Bataan and liberator of the Philippines. On September 2, 1945 the Japanese surrendered to him on the U.S.S. Missouri in Tokyo Bay. This man became the first five star general of the army in December 1944.

652 324 429 324 118 555 64

446 248 175 652 64 555 177

386 555 326 555 118 275 278 175 118

Work the subtraction problems below. Using the code letters above each problem, find the name of this famous man.

A.	B.	C.	D.	E.	F.
803	750	600	704	500	670
-248	-386	-274	-258	-176	-393

G.	H.	I.	J.	K.	L.
950	806	606	600	950	901
-298	-528	-319	-417	-382	-837

M.	N.	O.	P.	Q.	R.	S.
880	800	407	300	704	500	770
-494	-371	-159	-169	-274	-382	-593

T.	U.	V.	W.	X.	Y.	Z.
704	460	407	901	704	601	300
-429	-285	-259	-169	-176	-259	-285

PRETEST D - WHOLE NUMBERS

1. 9×3

2. 12×6

3. 10×4

4. 19×8

5. 207×4

6. 330×6

7. 237×4

8. 107×5

9. 247×7

10. 2431×9

Do pages 28, 29 and 30. ☐

11. 10×11

12. 17×14

13. 107×26

14. 15×15

15. 91×24

16. 132×27

17. 83×92

18. 357×119

19. 911×203

20. 392×13

Do pages 31, 32, and 33. ☐

21. $2 \times 7 \times 4 =$ ___

22. $21 \times 8 \times 3 =$ ___

23. $6 \times 7 \times 0 =$ ___

24. $5 \times 4 \times 2 \times 7 =$ ___

25. $3 \times 6 \times 1 \times 9 =$ ___

26. $2 \times 2 \times 2 =$ ___

27. $10 \times 3 \times 4 =$ ___

28. $2 \times 29 \times 4 =$ ___

29. $95 \times 75 \times 11 =$ ___

30. $4 \times 3 \times 10 \times 14 =$ ___

Do page 34. ☐

Make your own chart in your notebook.

X	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

1. 6493 ×8	2. 9384 ×3	3. 7184 ×6	4. 6892 ×4
5. 9853 ×5	6. 6419 ×9	7. 8495 ×4	8. 4567 ×3
9. 7658 ×2	10. 8759 ×7	11. 9768 ×2	12. 4578 ×4
13. 6842 ×7	14. 6925 ×8	15. 7393 ×9	16. 2876 ×6
17. 8369 ×5	18. 7634 ×3	19. 9879 ×9	20. 8762 ×8
21. 4825 ×5	22. 5974 ×7	23. 6366 ×6	24. 5378 ×7

FAMOUS PEOPLE

Probably the most widely used instrument was invented in 1876. The man who invented it spent the early years of his life teaching deaf mutes how to talk. He was born in Edinburgh, Scotland on March 3, 1847 and became a citizen of the United States in 1882. This man developed many useful things which paved the way to our comfortable way of life.

2310	2835	2436	7504	2310	3552	666	2436	6489
2823	6489	2310	546	2310	5502			
2646	2436	2835	2835					

Work the multiplication problems below. Using the code letters above each problem, find the name of this famous inventor.

A.	B.	C.	D.	E.	F.
770	441	293	74	812	777
x 3	x 6	x 8	x9	x 3	x 6

G.	H.	I.	J.	K.	L.
941	78	648	29	721	567
x 3	x7	x 6	x6	x 8	x 5

M.	N.	O.	P.	Q.	R.
917	444	68	234	832	721
x 6	x 8	x4	x 7	x 4	x 9

S.	T.	U.	V.	W.	X.
678	666	416	889	721	938
x 9	x 7	x 4	x 8	x 6	x 8

Y.	Z.
721	422
x 6	x 9

1. 32 ×20	2. 41 ×20	3. 23 ×30	4. 33 ×30	5. 51 ×60
6. 74 ×20	7. 37 ×20	8. 16 ×50	9. 35 ×70	10. 23 ×32
11. 12 ×42	12. 24 ×12	13. 41 ×22	14. 21 ×33	15. 31 ×32
16. 13 ×25	17. 14 ×26	18. 28 ×13	19. 14 ×32	20. 37 ×21
21. 38 ×23	22. 18 ×62	23. 46 ×35	24. 57 ×84	25. 67 ×18

FAMOUS PEOPLE

Man's first artificial satellite, Sputnik I, was launched by Russia on October 4, 1957. One month later they launched another satellite with a dog aboard. It wasn't until April 12, 1961, that the first man soared into outer space. He traveled in the Russian space ship, Vostok I. It make one orbit of the earth in a flight that lasted 1 hour and 48 minutes.

60836	21870	52455	17499		21870

29052	21870	29052	21870	52455	17499	49373

Work the multiplication problems below. Using the code letters above each problem, find the name of the first person to orbit the earth.

A.	B.	C.	D.	E.	F.
405	306	609	307	908	705
x54	x43	x96	x52	x67	x32

G.	H.	I.	J.	K.	L.
807	604	307	908	704	803
x36	x74	x57	x98	x74	x95

M.	N.	O.	P.	Q.	R.
607	509	705	908	604	807
x23	x97	x37	x73	x48	x65

S.	T.	U.	V.	W.	X.
308	704	405	306	609	307
x59	x48	x54	x48	x96	x52

Y.	Z.
908	705
x67	x32

FAMOUS PEOPLE

Children and adults throughout the world are indebted to this great man. He is the man who devloped the first anti-polio vaccine. Mass vaccinations started in April of 1954 and involved 1,829,916 children between the ages of six and nine. Science reporters said that it was the greatest mass test of medical discovery ever known.

4572 78213

15596 25802 28835 11704 21941

21941 11704 49876 59368

Work the multiplication problems below, Using the code letters above each problem, find the name of this famous American doctor.

A.	B.	C.	D.	E.	F.
418	375	240	127	349	427
x28	x16	x56	x36	x34	x28

G.	H.	I.	J.	K.	L.
622	246	305	557	724	674
x18	x56	x39	x28	x82	x74

M.	N.	O.	P.	Q.	R.
829	395	679	148	976	841
x48	x73	x38	x39	x38	x93

S.	T.	U.	V.	W.	X.
593	928	539	642	262	148
x37	x84	x37	x65	x81	x82

Y.	Z.
357	204
x61	x65

1. $6 \times 7 \times 2 =$ ____

2. $4 \times 9 \times 1 =$ ___

3. $11 \times 7 \times 0 =$ ___

4. $14 \times 11 \times 7 =$ ___

5. $101 \times 12 \times 1 \times 2 =$ ___

6. $9 \times 9 \times 9 =$ ____

7. $2 \times 2 \times 2 \times 2 =$ ____

8. $92 \times 43 \times 6 =$ ___

9. $17 \times 10 \times 10 =$ ____

10. $7 \times 21 \times 5 =$ ____

11. $27 \times 4 \times 5 =$ ____

12. $16 \times 7 \times 4 =$ ____

13. $29 \times 42 \times 7 =$ ____

14. $33 \times 4 \times 4 =$ ____

15. $32 \times 3 \times 13 =$ ____

16. $9 \times 7 \times 8 \times 6 =$ ____

17. $7 \times 2 \times 4 =$ ____

18. $20 \times 20 \times 10 =$ ____

19. $111 \times 2 \times 60 =$ ____

20. $200 \times 7 \times 10 =$ ____

21. $6 \times 6 \times 9 =$ ____

22. $2 \times 2 \times 3 \times 3 =$ ____

23. $42 \times 7 \times 3 =$ ____

24. $10 \times 10 \times 10 =$ _____

25. $0 \times 9 \times 9 \times 9 \times 9 =$ ____

PRETEST E - WHOLE NUMBERS

1. $3\overline{)110}$

2. $7\overline{)78}$

3. $8\overline{)107}$

4. $9\overline{)8740}$

5. $2\overline{)222}$

6. $5\overline{)505}$

7. $4\overline{)9864}$

8. $6\overline{)6543}$

9. $4\overline{)333}$

10. $9\overline{)9007}$

Do pages 36 and 37 ☐

11. $10\overline{)720}$

12. $33\overline{)1881}$

13. $45\overline{)315}$

14. $12\overline{)324}$

15. $25\overline{)1250}$

16. $13\overline{)957}$

17. $24\overline{)900}$

18. $17\overline{)5049}$

19. $75\overline{)7500}$

20. $11\overline{)1215}$

Do pages 38 and 39 ☐

1. $3\overline{)7,626}$

2. $4\overline{)9,804}$

3. $7\overline{)9,359}$

Complete the division.

4. $3\overline{)96}$ — 3; 90

5. $2\overline{)846}$ — 4; 800

6. $3\overline{)219}$ — 7

Complete the division.

7. $3\overline{)903}$ — 3

8. $4\overline{)8,004}$ — 2,

9. $4\overline{)1,608}$ — 4

Complete the division.

10. $7\overline{)37}$ — --- r ---

11. $5\overline{)453}$ — ---r---

12. $2\overline{)147}$ — ---r---

1. $6\overline{)726}$

2. $3\overline{)426}$

3. $4\overline{)684}$

4. $3\overline{)645}$

5. $4\overline{)645}$

6. $6\overline{)684}$

7. $3\overline{)732}$

8. $6\overline{)834}$

9. $4\overline{)576}$

1. $20\overline{)6,000}$

2. $80\overline{)32,000}$

3. $40\overline{)16,000}$

4. $31\overline{)6,231}$

5. $43\overline{)9,460}$

6. $24\overline{)5,112}$

7. $31\overline{)1,891}$

8. $37\overline{)1,486}$

9. $68\overline{)1,564}$

10. $49\overline{)3,920}$

11. $37\overline{)8,658}$

12. $29\overline{)1,276}$

1. $10\overline{)50}$

2. $10\overline{)80}$

3. $10\overline{)40}$

4. $40\overline{)80}$

5. $60\overline{)240}$

6. $30\overline{)180}$

7. $20\overline{)65}$

8. $40\overline{)253}$

9. $70\overline{)441}$

10. $23\overline{)69}$

11. $36\overline{)72}$

12. $37\overline{)74}$

13. $51\overline{)306}$

14. $21\overline{)153}$

15. $43\overline{)350}$

16. $30\overline{)900}$

17. $60\overline{)1,800}$

18. $50\overline{)4,500}$

19. $31\overline{)620}$

20. $36\overline{)720}$

21. $47\overline{)971}$